



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : <b>C12N 5/06, 5/08, A61K 39/00, 35/14, G01N 33/50</b>		<b>A1</b>	(11) International Publication Number: <b>WO 00/00587</b> (43) International Publication Date: <b>6 January 2000 (06.01.00)</b>
(21) International Application Number: <b>PCT/DK99/00363</b> (22) International Filing Date: <b>25 June 1999 (25.06.99)</b> (30) Priority Data: PA 1998 00848      26 June 1998 (26.06.98)      DK PA 1998 00895      1 July 1998 (01.07.98)      DK 60/091,684      2 July 1998 (02.07.98)      US (71)(72) Applicants and Inventors: <b>KALTOFT, Keld [DK/DK]; Voldby Hovvej 10, Voldby, DK-8450 Hammel (DK). AGN- HOLT, Jørgen [DK/DK]; Temevej 12, DK-8240 Risskov (DK).</b> (74) Agent: <b>HOFMAN-BANG &amp; BOUTARD, LEHMANN &amp; REE A/S; Hans Bekkevolds Allé 7, DK-2900 Hellerup (DK).</b>		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i>	
(54) Title: <b>METHODS OF EXPANDING AND SELECTING DISEASE ASSOCIATED T-CELLS</b>			
(57) Abstract  Methods of expanding and selecting disease associated T-cells, continuous T-cell lines as well as T-cell lines obtainable by these methods are disclosed. Furthermore, pharmaceutical compositions and vaccines comprising activated disease associated T-cell are disclosed. The uses of the T-cell and T-cell lines are numerous and include methods of diagnosis, methods for the treatment, alleviation or prevention of diseases associated with activation of T-cells, methods of testing the effect of medicaments against T-cell associated diseases, methods of detecting T-cell growth factors, methods of monitoring the response to treatment, alleviation or prevention of diseases associated with activation of T-cells, and methods of identifying disease associated antigens.			